

PG135

HIGH CURRENT POWER INDUCTOR

大电流功率电感

Features

- Compact size using flat wire, and SMD type.
扁平线小尺寸封装，贴片类型
- Low radiation noise by magnetically shielded construction
闭合磁路封装，低辐射
- High current, Low resistance.
大电流，低电阻
- Operating temperature : -40°C~+150°C.
工作温度：-40°C~+150°C



Applications

- high efficiency DC/DC converters. 高效 DC/DC 转换器
- Single and polyphase buck converters. 单相、多相降压转换器
- Filter for audio applications. 音频滤波应用
- Optimized for high current boost applications. 大电流升压应用优化
- Laptops, Graphic cards, Motherboards. 笔记本、显卡、主板等

Electrical characteristics

Part number 料号	Inductance 电感量 μH	DC resistance 直流电阻 mΩ max(typ.)	DC saturation current 直流饱和电流 A max.			Temperature rise current 温升电流 A max.	
			ΔL ≤ 10%	ΔL ≤ 20%	ΔL ≤ 30%	ΔT ≤ 20°C	ΔT ≤ 40°C
			PG135-191	0.19 ± 20%	0.6(0.5)	26.9	47.0
PG135-471	0.47 ± 20%	1.1(0.9)	23.1	39.2	50.0	16.0	23.0
PG135-901	0.90 ± 20%	1.8(1.5)	10.9	18.3	28.0	13.5	20.6
PG135-142	1.4 ± 20%	2.8(2.5)	10.0	17.8	26.0	13.1	18.6
PG135-232	2.3 ± 20%	4.3(3.5)	6.7	12.5	17.0	11.0	15.6
PG135-322	3.2 ± 20%	6.1(4.9)	5.6	9.7	15.0	10.0	14.1
PG135-482	4.8 ± 20%	12.1(7.9)	5.7	9.0	13.0	7.1	9.5
PG135-602	6.0 ± 20%	14.4(11.8)	5.0	8.3	11.5	6.8	9.1
PG135-822	8.2 ± 20%	15.6(11.8)	4.8	8.1	11.0	6.3	8.2
PG135-103	10.0 ± 20%	16.2(14.2)	3.6	6.3	10.0	6.1	8.0

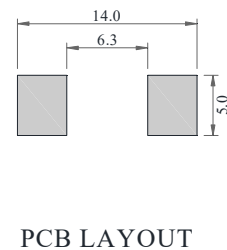
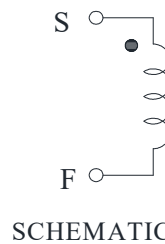
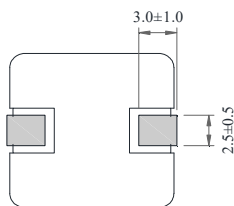
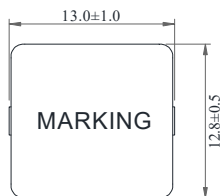
Remark

- Inductance is measured with a LCR meter 4284A or equivalent.
Test frequency at 100kHz
- DC resistance is measured with 16502 Milliohm Meter , or equivalent.
Reference ambient temperature 25°C

备注

- 电感量测试采用 4284A 数字电桥或同等仪器；
测试频率 100KHz
- 直流电阻测试采用 16502 毫欧表或同等仪器；
环境温度 25°C

Dimensions

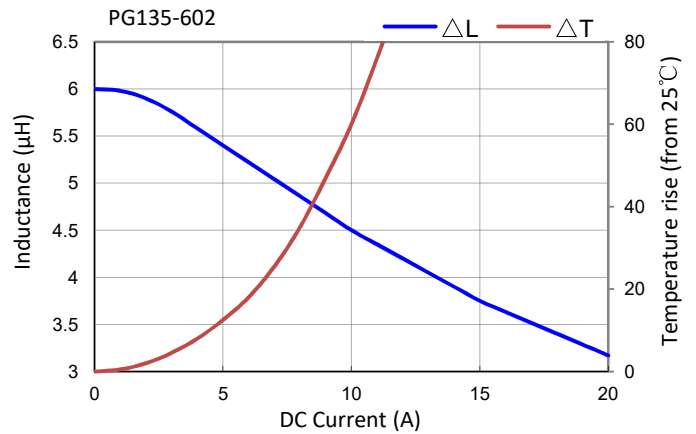
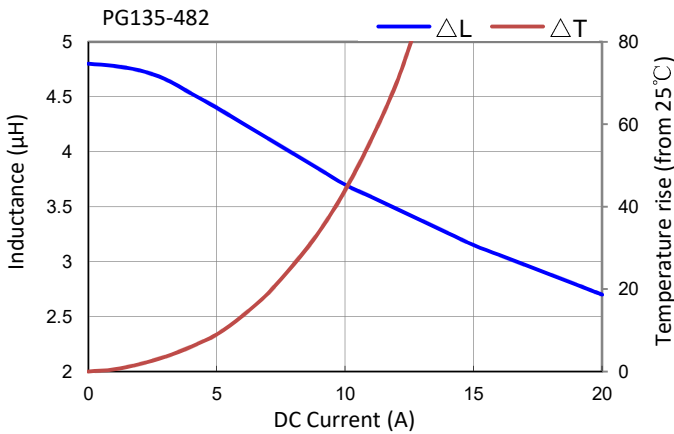
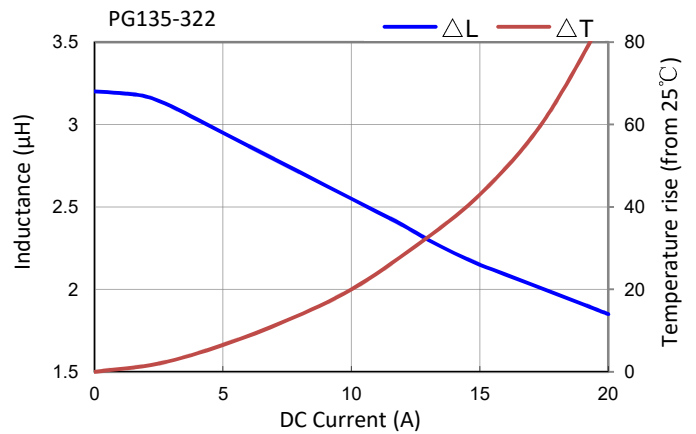
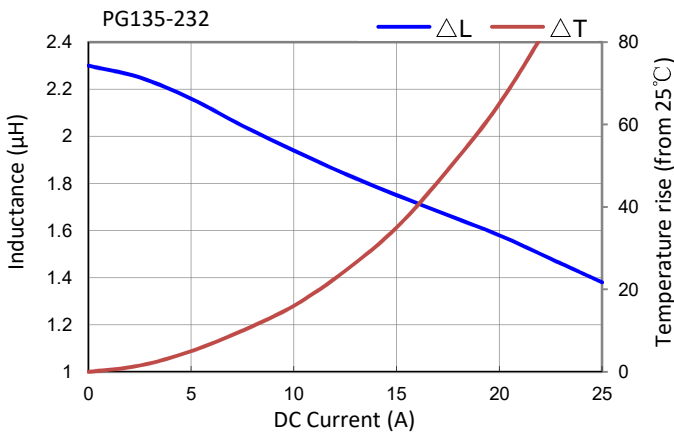
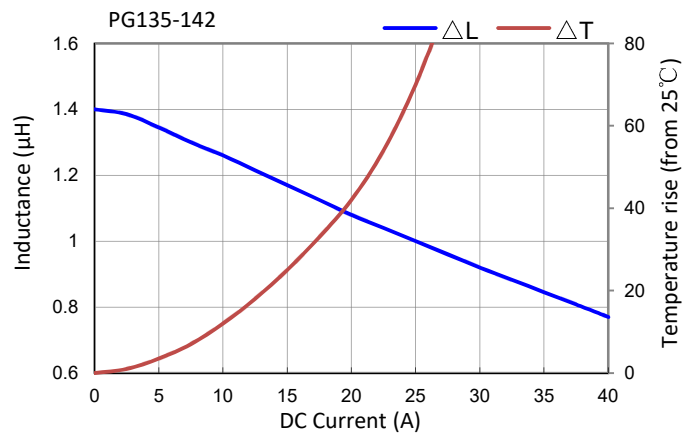
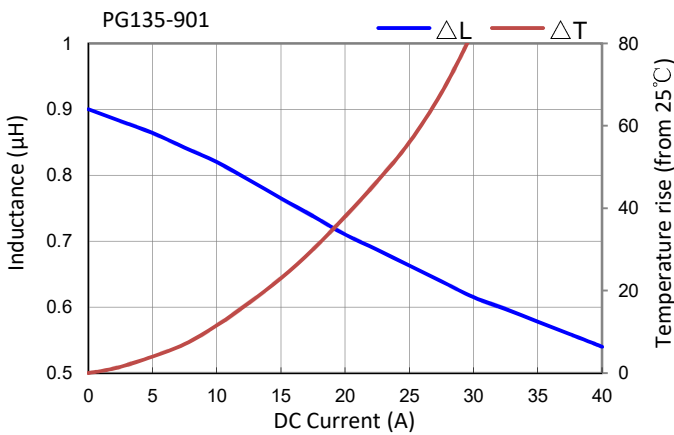
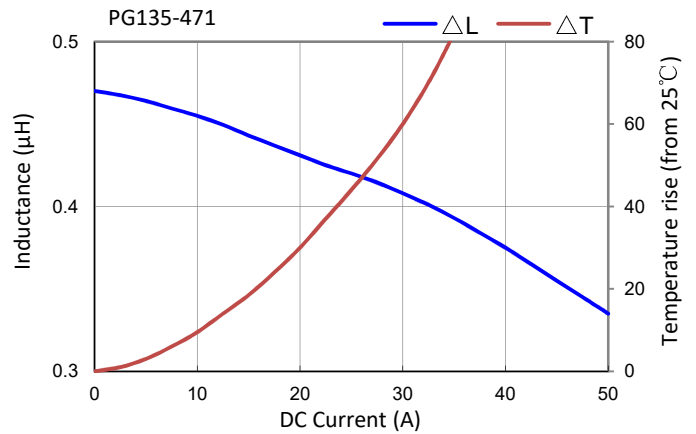
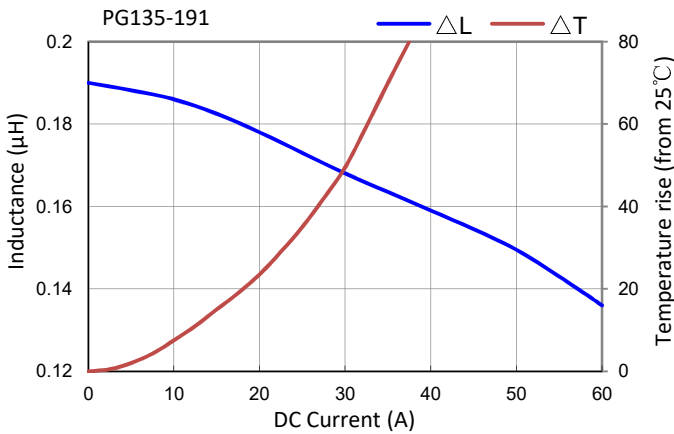


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大电流功率电感

Electrical Characteristic Curve



Electrical Characteristic Curve

